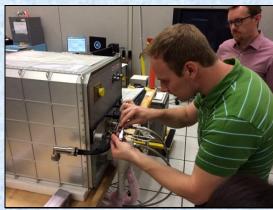
SUMMARY

The ISS Payload Human Factors Implementation Team (**HFIT**) is the Payload Developer's resource for Human Factors.

- HFIT is the interface between Payload Developers and ISS Payload Human Factors requirements in SSP 57000.
- HFIT provides
 recommendations on how to
 meet the Human Factors
 requirements and guidelines
 early in the design process.
- HFIT coordinates with the Payload Developer and Astronaut Office to find low cost solutions to Human Factors challenges for hardware operability issues.



Astronaut Office Rep exercising crew interfaces as part of an HFIT evaluation

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ISS Payload Human Factors





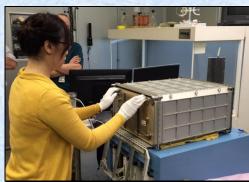


Human Factors Implementation Team

INTRODUCTION

Human Factors Implementation
Team (HFIT) provides Human
Factors support for ISS Payloads to
meet Human Factors requirements
and help them be successful onorbit. The team is comprised of
Human Factors and Astronaut
Office representatives.

- HFIT verifies that hardware meets Space Station Program (SSP) 57000 Section 3.12 Human Factors Requirements and the labeling instructions Appendix O.
- HFIT evaluates all aspects of hardware crew interfaces, such as accessibility and strength to perform tasks, clearance between controls/connectors, labeling, etc.
- HFIT provides human factors design recommendations for hardware early in the design process when it is cost effective to influence the design.



HFIT Rep checking for Burrs

HFIT Process - How It Works

- HFIT rep assigned at Payload Kickoff
- HFIT initial evaluation at or soon after Preliminary Design Review (PDR), or early in development
 - Assess prototype hardware for crew interfaces and labeling against Human Factors requirements and guidelines in SSP 57000.
 - Issues are identified early when it is more cost effective to influence design.
 - Recommendations for compliance are documented.
- Between evaluations: HFIT provides requirements and guidelines support as needed.
 - Negotiates solutions to requirements-design conflicts.
- HFIT final evaluation after Critical Design Review (CDR), or when flight hardware is ready
 - Verify flight hardware against Human Factors and labeling requirements in SSP 57000.
 - HFIT/Astronaut Office approve pre-coordinated, non-safety related non-compliances (out-ofboard).
 - HFIT provides Certification of Compliance (CoC) after all issues closed.

Labeling Examples



Payload fire port labeling





Front Panel labeling



Cable labeling